



# Missouri Department of Health and Senior Services

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Director



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**TO:** Missouri Local Public Health Agencies, Missouri U.S. Influenza Sentinel Surveillance Physicians, and Stakeholders

**FROM:** Libby A. Landrum, R.N., M.S.N., Influenza Coordinator  
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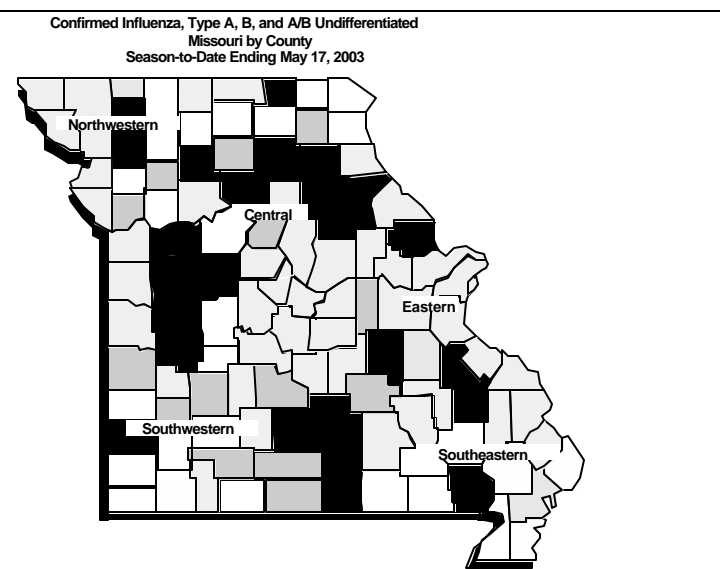
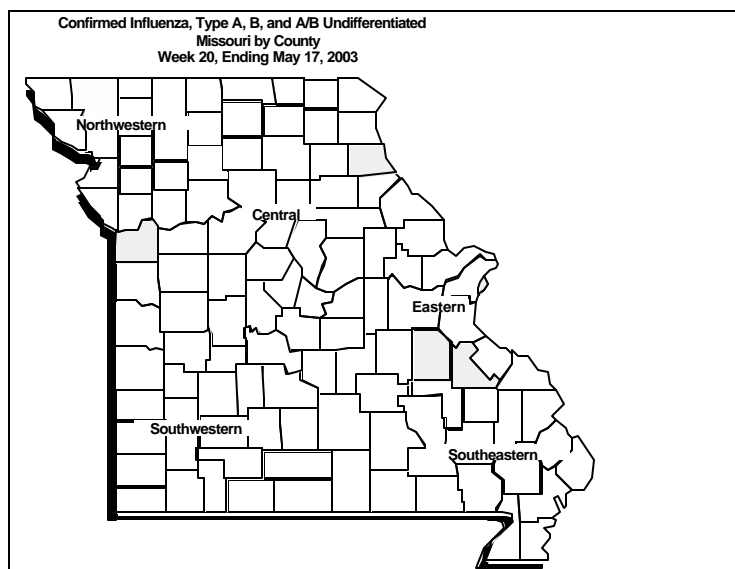
**SUBJECT:** Weekly Missouri Influenza Report, 2002-2003 Season  
(All data in this report are provisional and may change as reports are updated.)

**DATE:** May 21, 2003

**Missouri is reporting “sporadic influenza activity” to the CDC for Week 20.**

Reported Laboratory Confirmed Cases by Sub-type						
For the Week Ending May 17, 2003 (Week 20)						
Serogroups	A (non-typed)	A (H3N2)	A (H1N1)	B	A or B Untyped (rapid test)	Total
<b>Week 20</b>	<b>2</b>			<b>13</b>	<b>34</b>	<b>49</b>
<b>Season-to-Date*</b>	<b>491</b>	<b>4</b>	<b>20</b>	<b>1,068</b>	<b>2,617</b>	<b>4,200</b>

\*The influenza season begins with week 40 (week ending October 5, 2002) and ends with week 20 (week ending May 17, 2003).



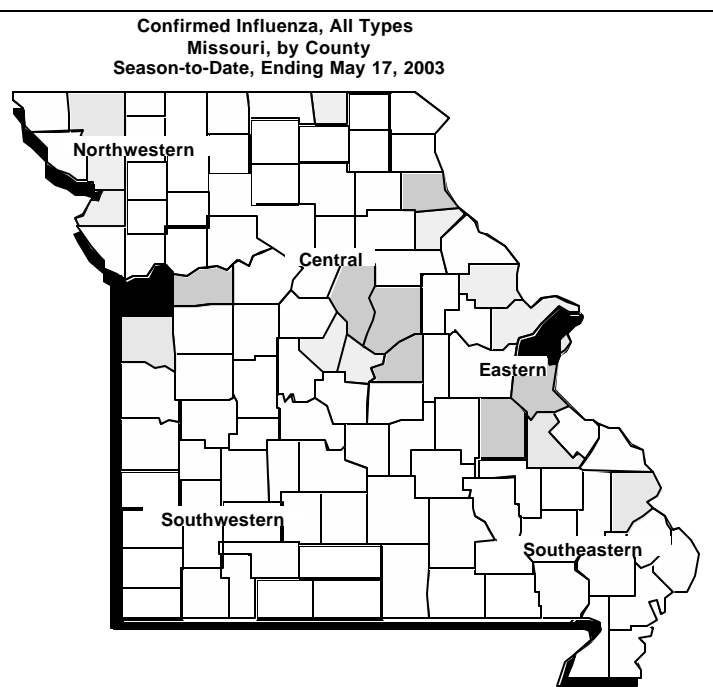
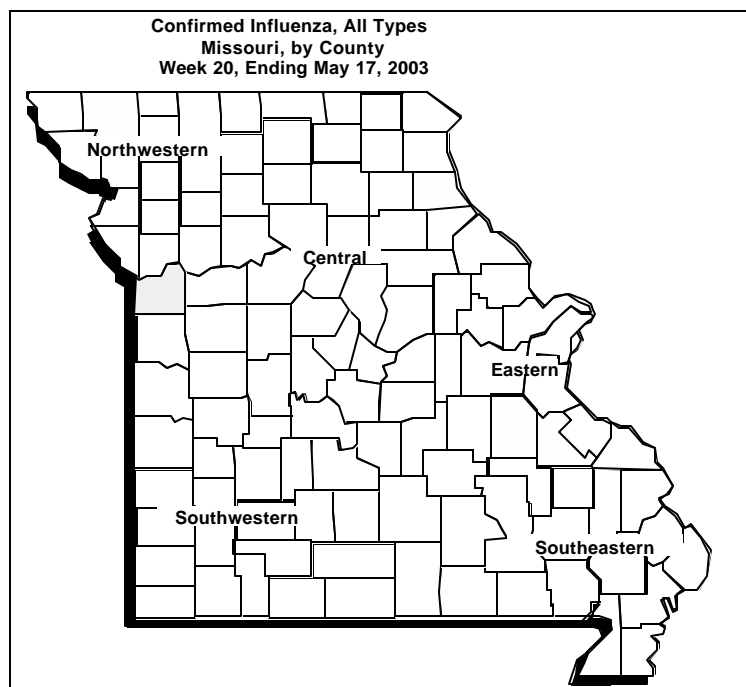
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<input checked="" type="checkbox"/>	B and Untyped	<input checked="" type="checkbox"/>	B only
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<input type="checkbox"/>	A and Untyped	<input type="checkbox"/>	A only
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<input type="checkbox"/>	Untyped	<input type="checkbox"/>	A , B and Untyped

[www.dhss.state.mo.us](http://www.dhss.state.mo.us)

The Missouri Department of Health and Senior Services protects and promotes quality of life and health for all Missourians by developing and implementing programs and systems that provide: information and education, effective regulation and oversight, quality services, and surveillance of diseases and conditions.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.



	1 - 25		101 - 200
	26 - 50		201 - 300
	51 - 100		300 +

	1 - 25		101 - 200
	26 - 50		201 - 300
	51 - 100		300 +

<b>Clusters/Outbreaks of Influenza-like Illness</b>							
<b>For the Week Ending May 17, 2003 (Week 20)</b>							
<b>Health District</b>	<b>Central</b>	<b>Eastern</b>	<b>NW</b>	<b>SE</b>	<b>SW</b>	<b>Season-to-date</b>	<b>Last Year Season-to-date</b>
<b>School Closings</b>	0	0	0	0	0	205	6
<b>Community Outbreaks</b>	0	0	0	0	0	4	3
<b>Long Term Care or Institutional Outbreaks</b>	0	0	0	0	0	3	10
<b>Other Outbreaks</b>	0	0	0	0	0	0	0
<b>Season-to-Date</b>	51	9	81	23	45	212	19

<b>Pneumonia and Influenza (P&amp;I) Deaths</b>			
<b>For the Week Ending May 10, 2003 (Week 19)</b>			
<b>Week 19</b>	<b>Season-to-Date</b>	<b>Week 19 Last Season</b>	<b>10 Year Weekly Median</b>
27	1,064	21	N/A*

\* Prior to 1999, P&I data were collected from week 46 through week 17; therefore, the ten-year median will be noted only during those weeks.

<b>U.S. Influenza Sentinel Physicians Surveillance Network (US ISPSN)</b>						
<b>Influenza-like Illness (ILI) for the Week Ending May 10, 2003 (Week 19)</b>						
<b>Age 0-4</b>	<b>Age 5-24</b>	<b>Age 25-64</b>	<b>Age 65+</b>	<b>Total ILI Patients Seen</b>	<b>Total Patients Seen</b>	<b>Percent ILI</b>
<b>7</b>	<b>22</b>	<b>28</b>	<b>1</b>	<b>58</b>	<b>3,841</b>	<b>1.51%*</b>

\* This percentage is below the national baseline of 1.9%.

<b>Respiratory Specimens Submitted to SPHL for Viral Testing</b>							
<b>For the Week Ending May 17, 2003 (Week 20)</b>							
	<b>Positive Specimens</b>						<b>Total Number Specimens Submitted</b>
	<b>Influenza</b>	<b>Para- influenza</b>	<b>Respiratory Syncytial Virus (RSV)</b>	<b>Adeno- virus</b>	<b>Rhino- virus</b>	<b>Entero- virus</b>	
<b>Week 20</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Season-to-Date</b>	<b>102</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>235</b>

CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL). DHSS has received the results on 27 Missouri isolates. In 16 isolates, the antigenic profiles were antigenically similar to that of the reference strain influenza B/Hong Kong/330/2001. In 7 isolates, the antigenic profiles were similar to that of B/Hong Kong/330/2001 virus, but most closely related to B/Brisbane/32/2002, a minor antigenic variant of B/Hong Kong/330/2001. One isolate has somewhat reduced titers with B/Hong Kong/330/2001; when tested by PCR/RFLP the isolates were to belong to the B/Victoria/2/87 genetic group, and B/Hong Kong/330/2001 is an antigenic variant of B/Victoria/2/87. Influenza B/Hong Kong/330/2001 was the recommended B component of the 2002-03 influenza vaccine. Three isolates were related antigenically to A/Panama/2007/99 which is antigenically similar to the WHO recommended Influenza A H3N2 component of the 2003-04 influenza vaccine. One isolate was related antigenically to A/New Caldonia/20/99, which is antigenically similar to the WHO recommended Influenza A H1N1 component of the 2003-04 vaccine.

**Sources of Data:** Laboratory confirmed cases are reported to DHSS passive communicable disease surveillance system through the disease registry. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

This report may also be found on the DHSS Internet at: [www.dhss.state.mo.us/Influenza/index.html](http://www.dhss.state.mo.us/Influenza/index.html)  
National influenza surveillance information is available from the Centers for Disease Control and Prevention at: [www.cdc.gov/ncidod/diseases/flu/weekly.htm](http://www.cdc.gov/ncidod/diseases/flu/weekly.htm)

The Missouri Department of Health and Senior Services after hours number for reporting disease cases and emergencies is 1-800-392-0272.